

Minutes for the Federal CIAQ Webinar-Meeting of 3-February-2010



1:00 - 4:30PM, EPA Room 152
L Street, NW, Washington, DC 20005-4113

Contents [Note-the audio/MP3 files have not yet been prepared or added to the minutes.]

- 1-Attendance
- 2-Agenda
- 3-Handouts
- 4-Key Words
- 5-Federal Department-Agency Updates on IAQ-IEQ
- 6-Presentations
- 7-Questions & Answers (Q&A) [forthcoming - pending completion]

1-Attendance: 117 attendees, either remotely (Webinar-133 registered, 96 attended) or in person (21).

2-Agenda

2.1-Welcome, announcements and introductions, Phil Jalbert

2.2-Updates from CIAQ Federal Agency Members

2.2.1-US Navy (Phil Jalbert, Gavin Burdge)

2.2.2-USPS Vapor Intrusion Guidance & Policy (Charlotte Parrish, Phil Jalbert)

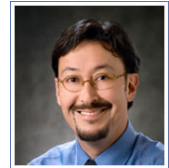
2.2.3-CPSC, Dr. Joanna Matheson (written report pending)

2.2.4-HUD, Dr. Peter Ashley (written report pending)

2.2.5-EPA/IED, David Rowson, Acting Director, Indoor Environments Division (IED)

2.3-Presentations and/or discussions

Dr. **Michael Bell**, CDC's H1N1 research program and projects. Dr. Bell is with the Division of Healthcare Quality Promotion in the CDC's National Center for Preparedness, Detection, and Control of Infectious Diseases; visit <http://www.cdc.gov/media/subtopic/sme/bell.htm>.



Mr. **Tom Dietsche**, the USGBC IAQ Research Agenda; Mr. Dietsche is a Research Program Specialist with the US Green Building Council (USGBC); visit <http://www.usgbc.org/ShowFile.aspx?DocumentID=3402>.

Dr. **Andy Persily**, *the Indoor Air Quality Guide: Best Practices for Design, Construction and Commissioning*; for a look at the *Guide* visit <http://www.ashrae.org/publications/page/1936>. Dr. Persily is the Indoor Air Quality and Ventilation Group Leader at the National Institute for Standards and Technology (NIST); visit <http://www2.bfrl.nist.gov/profiles/profiles.asp?lastname=persily>.



3-Handouts (included w/the minutes as separate items and available on the CIAQ website)

3.1-Department of Energy Letter on Weatherization-Radon to Senator Mark Udall (CO) (15-December-2009).

3.2-Food & Drug Administration *News Release* on Seizure of Ozone Generators (29-January-2010).

4-Key Words (Section)

Asthma (5.5.3)

Asthma Awareness Month (May) (5.5.3.4)

Charles P. Rose (5.5.1.2)

Chinese/imported drywall (5.3)

CONTAM models (5.4.1.1, 5.4.1.4)

H1N1 research (see presentation file 2.3, 6)

IAQ Specifications (5.5.4)

IAQ Tools for Schools Symposium (5.5.1.1)

Incidental Nano particles (5.4.1.3)

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4-Key Words (Section) (continued)

Industrial Hygiene Field Operations Manual (5.1)

Lisa Jackson (5.5.1.2)

Mold remediation wheel (5.1)

National Asthma Forum (5.5.3.5)

National Radon Action Month (January) (5.5.2.1)

Navy indoor air quality management policy (5.1)

Ozone Generators (3.2, 5.3)

Peter Grevatt (5.5.1.2)

Product Emissions Testing (5.4.1.2)

Radon testing devices (5.5.2.3)

Residential Ventilation Rates (5.4.1.1)

Standard 62.2 (5.4.2)

The Indoor Air Quality Guide: Best Practices for Design, Construction and Commissioning (2.3, 6)

Ultrafine Particles (5.4.1.3)

Vapor Intrusion guidance and policy (5.2)

Weatherization-Radon (3.1, 5.5.2.2)

5-Federal Department-Agency Updates on IAQ and IEQ Activities

5.1-U.S. Navy

The U.S. Navy has two documents that might be of interest to the committee members and others: (a) the Navy indoor air quality management policy is contained in Chapter 30 of the Navy's *Safety and Occupational Health Program Manual*, which can be found at <http://safetycenter.navy.mil/instructions/osh/510023/index.asp> (last updated Dec 05); and (b) the Navy *Industrial Hygiene Field Operations Manual*, Chapter 13, Indoor Environmental Quality, is available at http://www-nehc.med.navy.mil/Occupational_Health/Industrial_Hygiene/ih_fieldops_manual.aspx (last updated Nov 09). The mold remediation wheel that we briefed to CIAQ post Katrina is in this document. POC: Joy Erdman, MS, CIH, CSP, OPNAV Safety Liaison (N09FB)(703- 602-2575, Joy.Erdman@navy.mil).

5.2-US Postal Service (USPS)

USPS recently completed its vapor intrusion guidance, and is now developing its formal policy for implementing the VI guidance for the 36,000 USPS facilities. POC: Charlotte Parrish (charlotte.parrish@usps.gov, 201.714.7216).

5.3-Consumer Product Safety Commission (CPSC)

[Pending]

POC: Dr. Joanna Matheson (jmatheson@cpsc.gov, 301.504.7043).

5.4National Institute for Standards and Technology (NIST)

Updates for NIST & ASHRAE: Standard 62.2 and IAQ Guide

5.4.1-NIST

5.4.1.1-National Frequency Distribution of Residential Ventilation Rates: NIST has recently completed an analysis effort to generate a frequency distribution of residential ventilation rates based on a representative collection of US homes. These homes were defined through an effort under the HUD Healthy Homes Initiative. CONTAM models of these homes were developed and year-long simulations were performed for 19 US cities to cover a range of weather conditions. This work is in review and will be submitted for publication shortly.

POC: Andy Persily (301.975.6418, andyp@nist.gov).

5.4.1.2-Improving the Reliability of Product Emissions Testing: NIST has a project intended to improve the reliability of building material/product emissions testing, including: development of standard reference materials, inter-laboratory studies, a consensus-based guide for assessing the uncertainty of product emissions testing, and international harmonization issues. A pilot interlab study is being conducted this spring, with the results to be discussed at the ASTM D22.05 meeting this coming April.

POC: Cindy Reed (301.975.8423, chreed@nist.gov).

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5.4.1.3-Measurement of Ultrafine Particles or Incidental Nano-particles: NIST is continuing experiments to measure ultrafine particles between 2 nm and 64 nm generated by common residential activities such as cooking and appliance use. Experiments are being conducted in NIST's three bedroom test house through the semi-continuous measurement of environmental conditions, building air change rates and particle concentrations. Recent investigations have focused on power tools, penetration of ambient UFP and capture effectiveness of kitchen hoods.
POC: Andy Persily (301.975.6418, andyp@nist.gov).

5.4.1.4-CONTAM Update: NIST is preparing to release a new version of the multizone airflow and contaminant transport model CONTAM, which combines detailed computational fluid dynamics (CFD) analysis of selected zones with whole building multizone analysis. CONTAM can still be downloaded at <http://www.bfrl.nist.gov/IAQanalysis/>.
POC: Stuart Dols (301.975.5860, wsdols@nist.gov).

5.4.2-ASHRAE: Standard 62.2 and IAQ Guide

The committee responsible for Standard 62.2 on residential ventilation and IAQ met in Orlando in January to consider public review comments on proposed addenda to the standard addressing several issues including credits for different ventilation system types (e.g., exhaust vs. balanced) and a requirement for CO alarms in all dwellings. ASHRAE approved several addenda for inclusion in the 2010 version of the standard addressing a variety of topics such as intermittent fan operation and measurement of airflow for whole house ventilation systems.
POC: Steven Emmerich (301.975.6459, steven.emmerich@nist.gov).

ASHRAE has just published a new IAQ Guide under a cooperative agreement with EPA, which will be the subject of a presentation later in this meeting. This document is the result of a joint effort with AIA, BOMA, SMACNA and USGBC. The goal of the document is to provide guidance on best practices for achieving good IAQ in commercial and institutional buildings. More information is available at: www.ashrae.org/publications/page/1936.
POC: Andy Persily; chair of the project Steering Committee (301.975.6418, andyp@nist.gov).

5.5-EPA Indoor Environments Division (IED)

5.5.1-SCHOOLS

5.5.1.1-In January we held the 10th National IAQ Tools for Schools Symposium with over 500 participants. Five school districts were featured case studies within the Symposium: (a) Schodack Central School District, Castle-on-Hudson (New York); (b) School District of Philadelphia (Pennsylvania); (c) Memphis (Tennessee) City Schools; (d) Lake Zurich Community Unit School District (Illinois); and (e) Recovery School District of Louisiana (formerly, New Orleans Public Schools).

5.5.1.2-The Symposium featured several speakers, including: Lisa Jackson, EPA Administrator; Peter Grevatt, Director of EPA's Office of Children's Health Protection & Environmental Education; and Charles P. Rose, General Counsel, Department of Education.

5.5.1.3-Awards Ceremonies. Gina McCarthy, Assistant Administrator for Air and Radiation recognized: (a) five school districts with the Excellence Award; (b) three school districts with the Model of Sustained Excellence Award, and (c) two individuals for this year's first *IAQ Tools for Schools* Connector Award. Janet McCabe, Principle Deputy Assistant Administrator for Air and Radiation, recognized the three student winners of the National Radon Poster Contest for their radon awareness efforts.

POC: Jennifer Lemon (202.343.9608, lemon.jennifer@epa.gov).

5.5.2-RADON

5.5.2.1-This January was National Radon Action Month. EPA, states, local organizations, and the private sector held events to raise awareness and increase action in communities around the country. Over 1,300 separate NRAM events were submitted nationwide on RadonLeaders.org.

5.5.2.2-EPA is working on a jointly signed EPA/DOE response to a Senator Udall letter regarding his concern over the effects of weatherization on indoor air quality and radon.

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5.5.2.3-EPA is currently in the design phase of a study examining the accuracy/reliability of radon testing devices.

5.5.2.4-National progress on radon risk-reduction remains relatively positive despite the overall slump in the housing market; the 2008 radon progress numbers are in: (a) about 800 lives will be saved due to radon-reducing features now in nearly 2 million homes; (b) net new mitigations increased by 72,000 (7.0%) in 2009 from 67,000 in 2008; (c) 31.0% of new SFH in Zone 1 were built w/radon-reducing features. While this is an increase to 31% from 28.6% in 2007, the absolute number declined to 133,000 from 222,000 because of the significant decrease in the number of new homes built.

POC: Bill Long (Long.Bill@epa.gov, 202.343.9733)

5.5.3-ASTHMA

5.4.3.1-EPA's Asthma Program continues making progress integrating environmental controls into standards of care for asthma, in part, by supporting communities delivering comprehensive care to families living with asthma. In the end, all asthma care is local.

5.5.3.2-The next few months are busy months for us as we roll-out three major components of our *Communities in Action* Initiative. Please encourage asthma programs with whom you collaborate or whom you fund to join the Communities in Action initiative at www.AsthmaCommunityNetwork.org

5.5.3.3-Through March 16th, EPA will accept applications for the *National Environmental Leadership Award in Asthma Management* (www.asthmaawards.info). This prestigious award recognizes leading health plans, health care providers and communities in action for their best-in-class comprehensive asthma programs in improving health outcomes for people with asthma. Please encourage asthma programs with whom you collaborate or whom you fund to apply for these awards.

5.5.3.4-May is *Asthma Awareness Month* – a time each year when communities come together to raise national awareness about asthma through local activities and events. IED will continue to highlight asthma activities and events on our web site, distribute materials to stakeholders, and provide tips for planning and promoting local events.

5.5.3.5-On June 17th-18th EPA will host the *National Asthma Forum*. This 1.5 day event provides community leaders from across the nation a unique opportunity to come together to share best practices and discuss effective strategies for managing asthma and improving health outcomes. Registration is opening soon. Visit www.epaasthmaforum.com to learn more about this action-packed event.

POC: Katrin Kral (kral.katrin@epa.gov, 202.343.9454)

5.5.4-IAQ Specifications in Major Building Initiatives

IED is working actively on multiple fronts to ensure that IAQ is appropriately addressed in building-related initiatives such as healthy homes, green building/labeling programs, climate change adaptation activities, e.g., energy efficiency and weatherization, etc. Thanks to colleagues at DOE, CDC, HUD, USDA, DOEd, etc., for the growing collaboration between our Agencies in these areas. POC: Bob Axelrad (axelrad.bob@epa.gov, 202.343.9315).

6-Presentations (see the following pdf files on the CIAQ website for this Webinar-meeting)

6.1-Influenza A H1N1: Challenges for Infection Control, Michael Bell, M.D., Centers for Disease Control and Prevention.

6.2-USGBC Research Program Briefing: Tom Dietsche, Research Program Specialist, U.S. Green Building Council.

6.3-Indoor Air Quality Guide: Best Practices for Design, Construction and Commissioning, Andrew Persily, NIST.

In 2010 the CIAQ Webinar-meetings are Wednesday, February 3rd, June 9th and October 6th; please mark your calendars.

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